DURO-LAST® WB II ADHESIVE

DATA SHEET

Description:
Duro-Last® WB II Adhesive is a polymeric waterborne adhesive used to bond both Duro-Last membrane and Duro-Last Fleeceback membrane to a variety of substrates on both horizontal and vertical surfaces.

WB II Adhesive has VOC content less than 250 g/L and meets all VOC restrictions and regulations in the United States.

WB II adhesive may be used on the following substrates after they have been properly prepared as described in either the Duro-Last *Adhered Fleeceback Roofing System* specification or the *Adhered Systems* specification. The installing contractor is responsible for following all applicable building, plumbing and electrical codes.

- Structural Concrete (poured in place or precast)
- Wood (Plywood, OSB or Lumber)
- Polyisocyanurate Rigid Insulation Board
- DensDeck® Prime Roof Board
- DensDeck® Roof Board (not recommended)
- SECUROCK® Gypsum-Fiber Roof Board

Material Safety Data Sheet (MSDS):
Product Name: Duro-Last WB II Adhesive
Trade Name: Waterborne PVC Adhesive
MSDS Number / Product Code: FA636.

Precautions:
1. Review MSDS for safety information prior to use.
2. Combustible. Do not expose to heat, flame or sparks. Do not smoke while applying.
3. Use only in well ventilated areas and avoid breathing vapors.
4. Keep container closed when not in use.
5. When transferring adhesive between containers, ensure that both containers are grounded.
6. Treat empty containers with caution since they may contain flammable vapors.
7. Keep adhesive from freezing.
8. The shelf life for an unopened container of this adhesive, stored at temperatures between 60 °F (16 °C) and 80 °F (27 °C) out of direct sunlight, is 1 year from the date of manufacture.

DURO-LAST WB II PHYSICAL PROPERTIES		
Packaging	5 gallon pail	
Weight	9 lb. / gallon	45 lb. / pail
Color	White	
VOC Content	179 g / L	
Viscosity	10,000 – 16,000 cps	
Total Solids	52% ± 3%	
Open Time	Up to 3 hours	
Shelf Life	1 year, unopened	

Coverage - Duro-Last Fleeceback Membrane		
Roof Deck	100-120 ft² / gallon (500-600 ft² / pail)	0.8–1.0 gallon / 100 ft²
Vertical Applications	Not Applicable Use Duro-Last Fleece Membrane Adhesive	

Coverage - Duro-Last Membrane		
Roof Deck	140-180 ft² / gallon (700-900 ft² / pail)	0.55–0.7 gallon / 100 ft²
Vertical Applications	180 ft² / gallon per surface for net coverage of 90 ft²	0.55 gallon / 100 ft² per surface

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Installation:

1. General
   a. Read the MSDS prior to using the adhesive.
   b. Apply to surfaces which are clean, smooth, dry and free of oil and grease.
   c. Only apply adhesive when the ambient temperature is at least 50 ºF (10 °C) and rising.
   d. Stir adhesive vigorously by hand to achieve homogeneous mixture prior to application.
   e. Thinning the adhesive is not allowed.

2. Duro-Last Fleeceback Membrane
   a. Using a 3/8 inch (medium) nap solvent resistant roller apply evenly at a coverage rate of 100-120 square feet per gallon to the SUBSTRATE ONLY. The coverage rate will vary depending upon the porosity of the substrate. Do not apply to non-porous substrates.
   b. Do not apply adhesive where hot-air welding will be performed.
   c. Roll the membrane into the adhesive IMMEDIATELY after it is applied. Do not wait for the adhesive to dry. Fleeceback membrane must be rolled into wet adhesive.
   d. Roll membrane onto the adhesive coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
   e. Apply pressure by means of a heavy roller with a minimum weight of 150 pounds to ensure proper bonding.
   f. For vertical applications use Duro-Last Fleece membrane adhesive.
   g. Refer to the Duro-Last *Adhered Fleeceback Roofing System* specification for guidelines regarding Fleeceback membrane installation.

3. Duro-Last Membrane
   a. Using a 3/8 inch (medium) nap solvent resistant roller apply evenly at a coverage rate of 140-180 square feet per gallon to the SUBSTRATE ONLY. The coverage rate will vary depending upon the porosity of the substrate. Do not apply to non-porous substrates.
   b. Do not apply adhesive where hot-air welding will be performed.
   c. Adhesive should be wet or partially dried to a "wet" surface tack prior to bonding membrane. Dry time will vary according to weather conditions.
   d. Roll membrane onto the adhesive coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
   e. Apply pressure by means of a heavy roller or push broom to ensure proper bonding.
   f. For vertical applications, apply adhesive to BOTH the membrane and the substrate at a rate of 180 square feet per gallon (for a net coverage rate of 90 square feet per gallon). The coverage rate will vary depending upon the porosity of the substrate.
      - For porous substrates, such as concrete block, apply an initial light coating of adhesive as a seal coat. Allow the seal coat to dry thoroughly prior to adhesive application as described above.
      - Allow adhesive to dry to "finger tack" and then place membrane onto the substrate.
      - Apply pressure to complete the bond.
   g. Refer to the Duro-Last *Adhered Systems* specification for guidelines regarding membrane installation.

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